

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S21 4	2446	(human-machine adj interface) or (human adj machine adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:37
S21 5	351	S214 navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 10:46
S21 6	120	S215 and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 13:30
S21 7	293	700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:33
S21 8	1419	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:45
S21 9	369	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:36
S22 0	625	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37
S22 1	979	715/854.ccls. or 715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37

## EAST Search History

S22 2	2643	715/854.ccls. or 715/514.ccls. or 700/83.ccls. or 700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37
S22 3	67	S222 and (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:40
S22 5	3751	(HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 12:17
S22 8	14	HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:42
S22 9	90	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:28
S23 0	14	(HMI adj editor) or (Human adj Machine adj Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:44
S23 2	49	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor) or (man adj machine adj interface)) and (user adj screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 17:20
S23 4	5	09/607369	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 17:22

## EAST Search History

S23 5	12	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:29
S23 7	12	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:45
S23 8	10	S237 and zoom\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:30
S23 9	59	((HMI) or (Human adj Machine adj Interface)) and hierarch\$7 and zoom\$5 and (render or supply or provide or furnish or yield or return or give, or deliver or depict or show or display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 12:16
S24 0	249	(HMI or (Human adj Machine adj Interface)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:08
S24 2	12	(HMI or (Human adj Machine adj Interface)).ti. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:33
S24 3	35	(HMI or (Human adj Machine adj Interface)).ab. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:25
S24 4	12	S243 and leaf and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:07

## EAST Search History

S24 5	3	S243 and leaf and node zoom	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:08
S24 6	291	(715/771).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:40
S24 7	20	(715/771).ccls. and (715/763).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:57
S24 8	14	(715/771).ccls. and (715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:03
S24 9	3	(715/771).ccls. and (715/762).ccls. and hierarch\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:58
S25 0	6	("5301301"   "5592600"   "6054986"   "6437805"   "6449624"   "6593947").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/05 14:21
S25 1	362	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:48
S25 3	362	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and (specification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:34
S25 4	33	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 14:35

## EAST Search History

S25 5	17	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT	OR	ON	2006/06/05 14:38
S25 6	4	S255 and zoom	US-PGPUB; USPAT	OR	ON	2006/06/05 14:41
S25 7	22	providing screen navigation editor linked hierarch\$9 HMI screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:48
S25 8	33	providing screen navigation editor hierarch\$9 (HMI or (Human adj Machine adj Interface)) screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:49
S26 1	475	(715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:03
S26 7	3	editor hierarch\$9 (root adj node) (specification or Specify) with (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:35
S26 8	4	editor hierarch\$9 (root adj node) (specification or Specify) SAME (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:36
S27 0	82	(715/771).ccls. and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:40
S27 1	18	S270 and root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:38

## EAST Search History

S27 2	11	S271 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:39
S27 3	87	(715/771).ccls. and hierarch\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:01
S27 4	21	(715/771).ccls. and hierarch\$9 root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:01
S27 7	276	hierarch\$9 (root adj node) editor navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:28
S27 8	270	S277 and interface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:28
S27 9	70	S278 industrial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:29
S28 1	4492	hierarch\$9 (root adj node)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:37
S28 2	2593	S281 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:20

## EAST Search History

S28 3	1960	S282 relationship	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:41
S28 4	990	S283 arrangement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:51
S28 5	18	S281 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:03
S28 6	3	S284 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:53
S28 9	18	Specify adj root adj node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:22
S29 1	10	zoom and HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 14:28
S29 2	117	zoom and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:26
S29 3	17	second adj screen and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:27

## EAST Search History

S29 4	17	(second adj screen) and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:49
S29 5	714	700/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:36
S29 7	921	700/204.ccls. or 700/15-17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:36
S29 8	856	button and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:50
S30 1	4	first adj (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:53
S30 2	2456	(Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 16:01
S30 4	561	S302 node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:54
S30 5	439	S302 node link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:54



## EAST Search History

S30 6	140	S302 node same link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:56
S30 7	66	S306 and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:56
S30 9	213	(Human adj Machine adj Interface) and editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:28
S31 1	95	(Human adj Machine adj Interface) and navigating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S31 2	354	(Human adj Machine adj Interface) and navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S31 3	228	S312 and links	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S31 4	58	S312 and linking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:40
S31 5	34	S314 and edit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:40

## EAST Search History

S31 7	30	hierarch\$9 (root adj node) (specification SAME (HMI or ((human-machine adj interface) or (human adj machine adj interface))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:19
S31 8	305	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:22
S31 9	40	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) SAME link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:22
S32 0	23	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) WITH link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 15:19
S32 7	167	creat\$5 WITH (HMI or (human-machine adj interface) or (human adj machine adj interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 14:26
S32 8	59	S327 and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 14:22
S32 9	56	(HMI or (human-machine adj interface) or (human adj machine adj interface)) adj screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:05
S33 0	2	"6618856".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:07

## EAST Search History

S33 1	4	2002/0120921	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:07
S33 2	2	"20020120921".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 16:17
S33 3	2	"6421571".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 16:17
S33 4	8	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf parent collision	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:44
S33 5	35	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf obtaining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:57
S33 6	626	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:58
S33 7	372	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S33 8	1423	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:58

## EAST Search History

S33 9	67	715/726.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S34 0	1423	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S34 1	372	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S34 2	8	"6055369".pn. "6407758".pn. "5812135".pn. "5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:00
S34 8	2	("20020120921").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/22 14:27
S35 0	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 10:54
S35 1	15	(US-20020120921-\$).did. or (US-6975914-\$ or US-6889096-\$ or US-6754885-\$ or US-6054986-\$ or US-4914568-\$ or US-5301301-\$ or US-6618856-\$ or US-5386459-\$ or US-6862105-\$ or US-5566333-\$ or US-5911145-\$ or US-7017116-\$ or US-6549221-\$ or US-6684264-\$). did.	US-PGPUB; USPAT	AND	ON	2006/12/19 10:27

## EAST Search History

S35 2	93	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:28
S35 3	66	(HMI with editor) or ((Human Machine Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:29
S35 4	43	("HMI" with editor) or ((Human adj Machine adj Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:20
S35 5	79	("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:37
S35 7	3	((("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:43
S35 8	231	((("HMI") or ((Human adj Machine adj Interface)))) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:48
S35 9	2	((("HMI") or ((Human adj Machine adj Interface)))) (collision near3 node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:45

## EAST Search History

S36 0	3	((("HMI") or ((Human adj Machine adj Interface)))) (collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:45
S36 1	6	((("HMI") or ((Human adj Machine adj Interface)))) (node near (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 15:43
S36 2	6	((("HMI") or ((Human adj Machine adj Interface)))) (node near3 (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 15:50
S36 3	7	((("HMI") or ((Human adj Machine adj Interface)))) (node with (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:00
S36 4	2	((("HMI") or (Human adj Machine adj Interface)) (leaf with parent) ((intersect\$3 or overlap\$3 or collide or collision) same (leaf or parent or node ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:20
S36 5	1499	((monitoring or program\$4 or controll\$3) with ((automation near2 machine) or (automation near2 process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:10
S36 6	130	S365 (screens)!	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:27

## EAST Search History

S36 7	40	S366 tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:31
S36 8	37	S367 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:29
S36 9	27	S368 parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:29
S37 0	5	S369 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:32
S37 1	5	S366 tree (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:01
S37 2	20	S365 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:32

# EAST Search History

S37 3	203	("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802" "20040139080" "20040128070" "20040125114" "20040139155" "20050165548" "20040150644" "20040156321" "20040153568" "20040151121" "20040160464" "20040125124" "20040162743" "20050004746" "20040168119" "20040170130" "20040172347" "20040177113" "20040181547" "20040186840" "20040183695" "20040125143" "20040205638" "20040202379" "20040212616" "20040212615" "20040213190" "20040017404" "20040239701" "20040225530" "20040236800" "20040233857" "20040012638" "20040239683" "20040243616" "20040243613" "20050254429" "20040249781" "20040250237" "20040250227" "20060206511" "20040046864" "20060156314" "20040263513" "20040267873" "20040267694" "20040107184" "20040236655" "20050010906" "20050010592" "20040205726" "20050063313" "20040015928" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20050076055" "20040044636" "20040044702" "20040053645"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:02
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# EAST Search History

S37 4	102	("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802" "20040139080" "20040128070" "20040125114" "20040139155" "20050165548" "20040150644" "20040156321" "20040153568" "20040151121" "20040160464" "20040125124" "20040162743" "20050004746" "20040168119" "20040170130" "20040172347" "20040177113" "20040181547" "20040186840" "20040183695" "20040125143" "20040205638" "20040202379" "20040212616" "20040212615" "20040213190" "20040017404" "20040239701" "20040225530" "20040236800" "20040233857" "20040012638" "20040239683" "20040243616" "20040243613" "20050254429" "20040249781" "20040250237" "20040250227" "20060206511" "20040046864" "20060156314" "20040263513" "20040267873" "20040267694" "20040107184" "20040236655" "20050010906" "20050010592" "20040205726" "20050063313" "20040015928" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20050076055" "20040044636" "20040044702" "20040053645"	US-PGPUB	OR	ON	2006/12/19 17:02
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## EAST Search History

S37 6	13	S374 overlap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:03
S37 7	21	(intersect\$3 or overlap\$3 or collide or collision) S373	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:05
S37 9	1	(intersect\$3 or overlap\$3 or collide or collision) S373 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:06
S38 0	34	(intersect\$3 or overlap\$3 or collide or collision) S365(updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:07
S38 1	2	S365 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:11
S38 2	2	((("HMI") or ((Human adj Machine adj Interface))) (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:07
S38 3	7242	((monitoring or program\$4 or controll\$3) same ((automation with machine) or (automation with process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:48

## EAST Search History

S38 4	2	S383 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:49
S38 5	2	ScreenNavNodes	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:25
S38 6	11192	((("HMI") or ((Human adj Machine adj Interface)))) or S383	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:52
S38 7	2	S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:50
S38 8	2	S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:50
S38 9	30	S386 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:53
S39 0	93	S386 ((intersect\$3 or overlap\$3 or collide or collision) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:51

## EAST Search History

S39 1	19484	((("HMI") or (Human adj Machine adj Interface) or (Supervisory adj Control)) or S383	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:53
S39 2	38	S391 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:54
S39 3	92	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:56
S39 4	41	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:56
S39 5	7	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree visibility	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:57
S39 6	3	tree (node with visibility) (("HMI") or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:25
S39 7	105	715/965.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:24

## EAST Search History

S39 8	183	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:26
S39 9	69	S398 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:27
S40 0	28	S398 node parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:27
S40 1	5	S398 parent adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:29
S40 2	2	S398 (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:40
S40 3	3	(715/964.ccls. or 715/965.ccls. 715/966.ccls. 715/967.ccls. 715/969.ccls. 715/970.ccls.) (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:41
S40 6	7	(715/964.ccls. or 715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.) AND ((intersect\$3 or overlap\$3 or collide or collision) with node) AND (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:49

## EAST Search History

S41 0	10	(updat\$3 with hierarchy) (node with spacing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:51
S41 1	10	(updat\$3 with hierarchy) (node with spacing) parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:04
S41 2	4	"screen navigation editor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 16:37
S41 3	1	2004-315841.NRAN.	DERWENT	AND	ON	2006/12/19 19:07
S42 1	16	Human machine interface screen naviga\$4 config\$5 designing collection linked hierarchically organized screen nodes HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:10
S42 4	29	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:12
S42 5	22	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor ((intersect\$3 or overlap\$3 or collide or collision) or (drag near\$3 drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:31
S42 6	4	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor (drag near\$3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:15

## EAST Search History

S42 7	10	hierarchical\$2 node tree HMI editor (drag near3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:19
S42 8	7	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:23
S42 9	2	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with updat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:24
S43 0	2	hierarchi\$5 node tree HMI editor (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:32
S43 2	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:33
S43 3	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:37
S43 4	0	hierarchi\$5 tree HMI (drag near3 drop) near3 (over or "on" or "top of")(node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:37

## EAST Search History

S43 8	69	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:53
S43 9	512	hierarchi\$5 tree (automatic\$4 with parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:50
S44 0	25	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout )) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:57
S44 1	5	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout )) ((collide or collision or intersection) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:54
S44 2	17	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:58
S44 3	8	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:24
S44 4	14	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:04



## EAST Search History

S44 5	14	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) near4 (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:19
S44 6	1	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with position with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:26
S44 7	1	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (\$3position\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:48
S44 8	2	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting)) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:56
S44 9	11	hierarchi\$5 tree (drag near3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:03

## EAST Search History

S45 0	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:04
S45 1	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:06
S45 2	66	tree (node adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:06
S45 3	7	tree (node adj editor) layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:08

## EAST Search History

S45 4	31	tree (node adj editor) ((layout or position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:10
S45 5	278	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:12
S45 6	211	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:13
S45 7	210	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally parent (child or leaf)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:12
S45 8	211	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:15
S45 9	342	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:16

## EAST Search History

S46 0	39	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical ((spacing or distanced or distancing) same node)aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:19
S46 1	1152	345/440.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:21
S46 2	65	(editing tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:22
S46 3	94	(edit\$3 tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:35
S46 4	1	1990-101229.NRAN.	DERWENT	AND	ON	2006/12/19 21:37
S46 5	1	345/440.ccls. 715/514.ccls. 715/764.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:41
S46 6	38	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:42
S46 7	4	345/440.ccls. 715/514.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:46

## EAST Search History

S46 8	38	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34
S46 9	2	(update adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:10
S47 0	10	(update adj parent) node tree leaf distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:09
S47 1	1	(updating adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:10
S47 2	11	(updat\$3 near3 parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:28
S47 3	22	(US-20030191608-\$ or US-20020120921-\$).did. or (US-6259458-\$ or US-6054986-\$ or US-5606654-\$ or US-5432897-\$ or US-5386459-\$ or US-6067477-\$ or US-6975914-\$ or US-6889096-\$ or US-6754885-\$ or US-6618856-\$ or US-7017116-\$ or US-4914568-\$ or US-5301301-\$ or US-6862105-\$ or US-6144962-\$ or US-5911145-\$ or US-5870559-\$ or US-6549221-\$ or US-6684264-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 15:25

# EAST Search History

S47 4	1007	("20010034659"   "20020022900"   "20030004874"   "20030176940"   "20030177046"   "20030181991"   "20040046997"   "3665172"   "3810119"   "3825905"   "4006464"   "4064394"   "4096566"   "4141066"   "4276593"   "4302820"   "4312068"   "4315315"   "4323966"   "4347563"   "4399513"   "4410942"   "4413314"   "4423486"   "4428044"   "4435762"   "4443861"   "4455619"   "4456997"   "4466098"   "4471457"   "4488226"   "4493027"   "4524421"   "4546435"   "4570217"   "4609995"   "4613946"   "4615001"   "4628437"   "4635183"   "4639852"   "4641269"   "4641276"   "4644478"   "4644479"   "4648064"   "4649479"   "4656603"   "4658372"   "4663704"   "4672530"   "4675812"   "4677587"   "4682158"   "4682304"   "4683530"   "4692859"   "4692918"   "4695968"   "4703421"   "4704676"   "4709325"   "4710763"   "4719593"   "4727477"   "4733366"   "4742349"   "4750109"   "4754127"   "4785408"   "4790762"   "4803039"   "4805107"   "4813013"   "4816996"   "4817094"   "4841292"   "4872106"   "4872121"   "4891766"   "4897777"   "4897866"   "4910658"   "4910691"   "4918690"   "4958277"   "4959774"   "4965717"   "4965742"   "4965880"   "4985857"   "4991076"   "4991170"   "5008805"   "5021889"   "5042002"   "5050165"   "5051736"   "5060980"   "5068778"   "5093794"   "5121318"   "5122948"   "5124908"   "5129087"   "5131092"   "5134574"   "5136704"   "5138708"   "5140677"   "5146589"   "5151978"   "5151981"   "5159673"   "5162986"   "5163055"   "5164894"   "5166685"   "5167011"   "5168276"   "5168441".PN. OR ("5168554"   "5175829"   "5193175"   "5202828"   "5202961"   "5212784"   "5228123"   "5233615"   "5241588"   "5245704"   "5247651"   "5251125"   "5255367"   "5258999"   "5262761"   "5271013"   "5280547"   "5283729"   "5289365"   "5291416"   "5294792"   "5295758"   "5295761"   "5297143"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:27
8/16/2007 7:11:17 PM		C:\Documents and Settings\Terman\My Documents\EAST\Workspaces\10 Series\10_666_227_3.wsp				Page 30

## EAST Search History

S47 5	100	S474 (parent or root or (top adj level) or (top adj most) or father or mother) near3 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:30
S47 6	33	S474 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:32

# EAST Search History

S47 7	1121	( "20010029506"   "20010045965"   "20010056429"   "20020015034"   "20020026461"   "20020032768"   "20020054166"   "20020057297"   "20020089541"   "20020089550"   "20020109680"   "20020130907"   "20020140700"   "20020152150"   "20020154171"   "20020154175"   "20020163517"   "20020174147"   "20030004995"   "20030020762"   "20030065608"   "20030069834"   "20030095156"   "20030097325"   "20030106057"   "20030112280"   "20030115023"   "20030117432"   "20030120659"   "20030126068"   "20030126601"   "20030137541"   "20030144996"   "20030158897"   "20030160832"   "20030197736"   "20030197737"   "20030197740"   "20030210284"   "20030227458"   "20040034591"   "20040193524"   "20050075965"   "3522597"   "3688099"   "3757037"   "3930233"   "4064394"   "4085443"   "4167821"   "4227245"   "4315315"   "4317956"   "4323891"   "4366475"   "4392130"   "4418345"   "4451900"   "4455619"   "4464543"   "4514800"   "4514801"   "4524421"   "4527249"   "4528643"   "4542452"   "4546349"   "4546435"   "4555772"   "4570217"   "4613946"   "4622013"   "4633436"   "4641274"   "4648028"   "4648062"   "4648064"   "4656603"   "4663704"   "4674040"   "4677587"   "4695968"   "4696003"   "4710763"   "4713748"   "4725970"   "4729105"   "4736320"   "4739477"   "4742467"   "4744084"   "4752889"   "4763356"   "4769817"   "4772882"   "4813013"   "4815029"   "4821211"   "4831580"   "4841441"   "4849880"   "4868743"   "4872167"   "4901221"   "4910663"   "4914568"   "4922432"   "4931783"   "4933880"   "4949270").PN. OR ("4953080"   "4953106"   "4956773"   "4962475"   "4974174"   "5065347"   "5072412"   "5088052"   "5103498"   "5122972"   "5136690"   "5150457"   "5155806"   "5168554"   "5175812"   "5179643"   "5179654"   "5182705"   "5187786"   "5191645"   "5193182"   "5195183"   "5204947"   "5206951"   "5226118"   "5226161"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:54
8/16/2007 7:11:17 PM C:\Documents and Settings\ST Program\My Documents\EAST\Workspaces\10 Series\10_666_227_3.wsp						



## EAST Search History

S47 8	125	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:43
S47 9	26	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:44
S48 0	11	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:45

## EAST Search History

S48 1	327	("20030050915"   "3816726"   "4524421"   "4528643"   "4613946"   "4698752"   "4710763"   "4719571"   "4807158"   "4833592"   "4841292"   "4868771"   "4928247"   "4994989"   "5043920"   "5072395"   "5150457"   "5164904"   "5201047"   "5226120"   "5228119"   "5247517"   "5247666"   "5251131"   "5253333"   "5276789"   "5282262"   "5295243"   "5295244"   "5297241"   "5303388"   "5307456"   "5325445"   "5333254"   "5337404"   "5339390"   "5379422"   "5386394"   "5394522"   "5412772"   "5418946"   "5420968"   "5426780"   "5428744"   "5459829"   "5463773"   "5467444"   "5479597"   "5504863"   "5515486"   "5515488"   "5519865"   "5526478"   "5528735"   "5546529"   "5553163"   "5555354"   "5557714"   "5559942"   "5572640"   "5592599"   "5604821"   "5619632"   "5623590"   "5634087"   "5644740"   "5659731"   "5671333"   "5671381"   "5675711"   "5675785"   "5675786"   "5678015"   "5680476"   "5684967"   "5694524"   "5696964"   "5706495"   "5715432"   "5724573"   "5727199"   "5732230"   "5737487"   "5748852"   "5751965"   "5761664"   "5761667"   "5774669"   "5786820"   "5787274"   "5802383"   "5821937"   "5861891"   "5870768"   "5877775"   "5958008"   "5966128"   "6055539"   "6067093"   "B14555775").PN. OR ("5450535"   "5590250"   "5877766"   "6067093"   "6111578"   "6137493"   "6137499"   "6219053"   "6259451"   "6259458"   "6922692").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:53
S48 2	7	S481 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:51

## EAST Search History

S48 3	101	S477 S481	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:55
S48 4	67	(hierarchical display).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:56
S48 5	31	(hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) (((intersect\$3 or overlap\$3 or collide or collision) with node) .	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:59
S48 6	6	(edit\$3 with hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:00
S48 7	8	(edit\$3 with hierarchical near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:01
S48 8	54	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:02
S48 9	3	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) with ((intersect\$3 or overlap\$3 or collide or collision) with node))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:06
S49 1	207	((hierarchical or tree)) (((parent or root or top) with node) with ((drag\$3 adj over) or drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:11
S49 2	2	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 adj over) or (drop adj over)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:13

## EAST Search History

S49 3	152	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 or drop\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:13
S49 4	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:52
S49 5	504	detect\$4 (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S49 6	222	detect\$4 same (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S49 7	2	"7035898".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S49 8	2	((hierarchical or tree)) (((parent or root or top) with node) with (drag adj over))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:45
S49 9	10887	(hierarchic\$5 tree) (editor or editing or modifying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:58

## EAST Search History

S50 0	53	(hierarchic\$5 tree) (re adj position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:58
S50 1	32	(hierarchic\$5 tree) (re adj position) node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:59
S50 2	794	715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34
S50 3	307	715/853.ccls. (updat\$3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34
S50 4	42	715/853.ccls. (updat\$3 near3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:41
S50 5	13	715/853.ccls. (reorder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:42
S50 6	112	715/853.ccls. shift	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:43

## EAST Search History

S50 7	3	715/853.ccls. (vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:43
S50 8	127	715/853.ccls. ((node or root or parent) with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:44
S50 9	89	715/853.ccls. ((node or root or parent) near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:45
S51 0	14	715/853.ccls. (adjust near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:48
S51 1	75	715/853.ccls. (node near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:52
S51 2	35	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or cover or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:05
S51 3	32	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or covering or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:06

## EAST Search History

S51 4	24	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:12
S51 5	2	"5911145".pn. automatic\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:07
S51 6	47	715/853.ccls. (node near3 automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:28
S51 7	0	715/853.ccls. (node near3 automatic\$4) with insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:10
S51 8	2	715/853.ccls. (node near3 automatic\$4) with drop	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:11
S51 9	5	715/853.ccls. (node with automatic\$4 with drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:12
S52 0	55	(node with automatic\$4 with ((intersection or overlap or collide or collision or intersection)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:13

## EAST Search History

S52 1	1257	drop adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:13
S52 2	70	(drop adj node) editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:16
S52 3	103	(Tree adj View adj Control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:23
S52 4	363	(shift with (parent or root or node) with right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:04
S52 5	125	(shift with (parent or root or node) with right) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:04
S52 6	10	715/853.ccls. Collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:30
S52 7	1	715/853.ccls. (Collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:30



## EAST Search History

S52 8	33	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:36
S52 9	34	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:39
S53 0	15	715/853.ccls. (adjusting with position )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:49
S53 1	211	715/853.ccls. layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:50
S53 2	142	S531 automatic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:49
S53 3	6	715/853.ccls. (layout with automatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:50
S53 4	15	715/853.ccls. (layout with automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53

## EAST Search History

S53 5	144	(vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53
S53 6	28	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53
S53 7	55	("4606002"   "4611272"   "4945475"   "5058144"   "5202986"   "5230047"   "5257365"   "5293616"   "5295261"   "5333317"   "5377281"   "5392363"   "5404510"   "5418947"   "5487166"   "5488717"   "5495609"   "5497485"   "5528701"   "5530957"   "5534861"   "5551027"   "5557786"   "5560007"   "5644763"   "5649023"   "5651099"   "5664172"   "5694591"   "5701467"   "5717921"   "5737732"   "5752243"   "5761652"   "5765168"   "5768423"   "5781772"   "5787430"   "5799184"   "5799299"   "5809296"   "5832182"   "5842196"   "5848416"   "5873087"   "5884297"   "5963956"   "5970170"   "6014659"   "6041053"   "6153591"   "6175835"   "6208993"   "6240418").PN. OR ("6675173"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 20:56
S53 8	71	(visual adj tree)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:00
S53 9	347	(dynamic near3 (tree or hierarchy)) visual	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S54 0	192	(dynamic near3 (tree or hierarchy)) editor	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S54 1	409	(dynamic near3 (tree or hierarchy)) edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01

## EAST Search History

S54 2	9	(dynamic near3 (tree or hierarchy)) with edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:03
S54 3	27	(tree or hierarchy) (relocate near3 node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:15
S54 4	45	(tree near3 structure near3 editor)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:35
S54 5	37	("4075689"   "4318184"   "4447875"   "4468728"   "4611298"   "4613946"   "4656603"   "4677550"   "4710763"   "4763277"   "4764867"   "4813010"   "4817036"   "4831525"   "4860204"   "4866635"   "4868743").PN. OR ("5493678").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:22
S54 6	137	(become near3 new near3 parent)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:26
S54 7	80	(become near3 new near3 parent) (tree or hierarchy)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:32
S54 8	89	(become near3 new near3 parent) (tree or hierarch\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:32
S54 9	154	(become near3 new near2 (parent or root)) (tree or hierarch\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:33
S55 0	183	((tree adj structure) near3 edit\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:36
S55 1	142	(tree adj structure) near3 (editor or editing)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 22:20
S55 2	24	(tree adj structure) near3 (editor or editing) (drag\$3 with drop\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:44
S55 3	9	(NetObjects).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:11

## EAST Search History

S55 4	14	(Arora Samir).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:56
S55 6	4	("5911145" "6237006" "6282454" "6421571").PN.	USPAT	AND	ON	2007/04/02 10:51
S56 1	24	(US-20020120921-\$ or US-20030191608-\$).did. or (US-4914568-\$ or US-5432897-\$ or US-5606654-\$ or US-5870559-\$ or US-5911145-\$ or US-6054986-\$ or US-6067477-\$ or US-6144962-\$ or US-6259458-\$ or US-6549221-\$ or US-6618856-\$ or US-6684264-\$ or US-6754885-\$ or US-6889096-\$ or US-6975914-\$ or US-7017116-\$ or US-5386459-\$ or US-6862105-\$ or US-6067093-\$ or US-5493678-\$ or US-5812135-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:39
S56 2	127	S508 position	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:39
S56 3	20	S561 position	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:41
S56 4	7	S561 (position near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:46
S56 5	2	S561 (relocat\$3 near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:46
S56 6	18	("4524421"   "4613946"   "4710763"   "4841292"   "5333254"   "5557714"   "5592599"   "5619632"   "5774669"   "5786820"   "5877775").PN. OR ("6259458"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 23:48
S56 7	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 23:54

## EAST Search History

S56 8	2	hierarchi\$5 node tree HMI (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 09:23
S56 9	98	(Industrial plant).ti.	USPAT	AND	ON	2007/04/02 10:52
S57 0	549	(Industrial plant).ab.	USPAT	AND	ON	2007/04/02 10:52
S57 1	522	(Industrial plant).clm.	USPAT	AND	ON	2007/04/02 10:52
S57 2	151	(Industrial adj plant).clm.	USPAT	AND	ON	2007/04/02 10:52
S57 3	223	(Industrial adj plant).clm.	US-PGPUB; USPAT	AND	ON	2007/04/02 10:52
S57 4	48	(Industrial adj plant).ti.	US-PGPUB; USPAT	AND	ON	2007/04/02 10:52
S57 5	9	(Industrial adj plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2007/04/02 10:53
S57 6	30	(Industrial plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2007/04/02 10:54
S57 7	5	(Industrial plant).ti. vertical horizontal GUI	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S57 8	5	S577 position	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S57 9	5	S577 parent position	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S58 0	5	S577 (parent same position)	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S58 1	5	S577 (parent with position)	US-PGPUB; USPAT	AND	ON	2007/04/02 11:00
S58 2	0	S577 (parent with adjusting) recursivlyu	US-PGPUB; USPAT	AND	ON	2007/04/02 11:02
S58 3	6	HMI adj user adj screens	US-PGPUB; USPAT	AND	ON	2007/04/02 11:25
S58 4	63	HMI adj screens	US-PGPUB; USPAT	AND	ON	2007/04/02 11:30
S58 5	28	(HMI adj screens) parent	US-PGPUB; USPAT	AND	ON	2007/04/02 12:38
S58 6	3	(HMI adj screens) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:39
S58 7	0	(process wtih visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 15:20

## EAST Search History

S588	144	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:40
S589	144	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:40
S590	84	(process with visualization) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/02 13:10
S591	3	(process with visualization) (Supervisory adj Control adj system) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/02 13:11
S592	1	2004-315841.NRAN.	DERWENT	AND	ON	2007/04/02 13:13
S593	1	2004-315841.NRAN.	DERWENT	AND	ON	2007/04/02 13:13
S594	51568	process visualization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 15:19
S595	41	(process with visualization) (drag with drop) editor	US-PGPUB; USPAT	AND	ON	2007/04/02 15:20
S596	915	hmi process	US-PGPUB	AND	ON	2007/04/02 15:37
S600	174	(industrial process).ti.	US-PGPUB	AND	ON	2007/04/02 15:39
S601	1746	(industrial process).clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S602	416	(industrial near process).clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S603	381	(industrial adj process).clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S604	15	(industrial adj process).clm. GUI	US-PGPUB	AND	ON	2007/04/02 15:40
S605	0	(industrial adj process).clm. GUI editor.ti.	US-PGPUB	AND	ON	2007/04/02 15:40
S608	3	(process editor).ti.	US-PGPUB	AND	ON	2007/04/02 15:41
S609	10	(hmi with editor) "715".clas.	US-PGPUB	AND	ON	2007/04/02 15:43
S610	25	(hmi with editor)	US-PGPUB	AND	ON	2007/04/02 15:44
S611	22	(hmi with editor) position	US-PGPUB	AND	ON	2007/04/02 15:46
S612	28	((hmi or (human adj machine adj interface)) with edit\$3) position	US-PGPUB	AND	ON	2007/04/02 15:47

## EAST Search History

S61 3	5	((hmi or (human adj machine adj interface)) with edit\$3) position (dragged with top)	US-PGPUB	AND	ON	2007/04/02 15:48
S61 8	188	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:44
S61 9	39	715/967.ccls. industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:44
S62 0	19	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:45
S62 1	19	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:45
S62 2	52	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S62 3	11	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent node	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S62 4	5	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent same node	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S62 5	5	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) (parent same node)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:55
S62 6	1	"5905989".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 13:50

## EAST Search History

S62 7	73	("4591983"   "4628435"   "4644479"   "4719586"   "4803039"   "4815014"   "4839823"   "4853175"   "4855923"   "4858102"   "4947095"   "5068080"   "5099436"   "5119318"   "5148363"   "5161110"   "5189604"   "5195029"   "5214577"   "5216612"   "5239547"   "5249260"   "5251144"   "5267141"   "5305426"   "5333240"   "5355444"   "5398304"   "5402526"   "5403447"   "5406502"   "5412756"   "5414632"   "5442562"   "5463545"   "5463567"   "5511004"   "5521844"   "5541832"   "5557549"   "5559691"   "5561610"   "5617514"   "5630025"   "5659743").PN. OR ("5905989").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 13:54
S63 1	21	((715/967.ccls.) OR (715/771.ccls.)) (parent with node)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:06
S63 2	10	((715/967.ccls.) OR (715/771.ccls.)) (parent with node) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/03 14:14
S63 3	9	((715/967.ccls.) OR (715/771.ccls.)) (parent with position)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:21
S63 5	6	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:22
S63 6	6	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node	US-PGPUB; USPAT	AND	ON	2007/04/03 14:22
S63 7	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:23
S63 8	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:23
S63 9	125	industrial (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:24
S64 0	115	industrial (parent adj node) recursively (not (INDUSTRIAL adj APPLICABILITY))	US-PGPUB; USPAT	AND	ON	2007/04/03 14:24
S64 1	6	industrial plant (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 17:23
S64 2	1	(10/196007).APP.	USPAT; USOCR	AND	ON	2007/04/03 14:25
S64 3	2	(industrial with plant) (automated with controller) (recursively with update)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:29
S64 4	2	"20040128120".pn. or "20040073404".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 16:42



## EAST Search History

S64 5	225	(node with collision) industrial	US-PGPUB; USPAT	AND	ON	2007/04/03 16:43
S64 6	36	(node with collision) industrial plant	US-PGPUB; USPAT	AND	ON	2007/04/03 16:44
S64 7	13	(node with overlap) industrial plant	US-PGPUB; USPAT	AND	ON	2007/04/03 16:44
S64 8	8	((715/967.ccls.) OR (715/771.ccls.)) industrial (drop with top)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:47
S65 0	1	((715/967.ccls.)) (drop with top)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:48
S65 1	45	(drop same (updat\$3 with hierarchy))	US-PGPUB; USPAT	AND	ON	2007/04/03 16:51
S65 2	10	(automated adj machine adj controller)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:58
S65 3	1192	(automated )(machine adj controller)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:53
S65 4	276	(automated )(machine adj controller) cell control	US-PGPUB; USPAT	AND	ON	2007/04/03 16:53
S65 5	276	(automated )(machine adj controller) (cell control)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:54
S65 6	3	(automated )(machine adj controller) (cell adj control)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:54
S65 7	2	(715/967.ccls.) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:55
S65 8	1	(industrial near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:37
S65 9	15	((manufactur\$3 or industrial or automation) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:57
S66 0	25	((manufactur\$3 or industrial or automation or process\$3) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:06
S66 1	27	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:09
S66 2	2099	(vertical\$5 with tree) (horizontal\$5 with tree)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:10
S66 3	99	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:10
S66 4	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3) near3 plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:32
S66 5	10	industrial plant (drag adj drop) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 17:30

## EAST Search History

S66 6	15	"6282455"	US-PGPUB; USPAT	AND	ON	2007/04/03 17:28
S66 7	2	industrial plant (drag adj drop) (recursively with updat\$3)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:31
S66 8	38	industrial plant (drag drop) (recursive\$3)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:31
S66 9	14	industrial plant (drag drop) (recursive\$3) tree	US-PGPUB; USPAT	AND	ON	2007/04/03 17:32
S67 0	2	industrial ((drag drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2007/04/03 17:33
S67 1	21	industrial ((drag or drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2007/04/03 17:33
S67 2	1	"7165226".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:37
S67 3	3	"6,889,096"	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 17:43
S67 4	20	("20050004781" "5072412" "524743 3" "6189019" "6587108" "6795798"  "6888554" "6889096" "6947798" " 6966033").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 17:53
S67 5	10	("20050004781" "5072412" "524743 3" "6189019" "6587108" "6795798"  "6888554" "6889096" "6947798" " 6966033").PN.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:53
S67 6	1	"6477435".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:58
S67 7	8	("5812394"   "5822206"   "6161051").PN. OR ("6477435"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:28
S67 8	1	"20060256084".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:31
S67 9	3	("5546521" "5777616" "6347800"). PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:31
S68 0	3	("6055369"   "20010029506"   "5926180").pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:05

## EAST Search History

S68 1	2	"6421571".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:09
S68 2	62	("4399513"   "4413314"   "4644479"   "4803039"   "4872121"   "4985857"   "5202828"   "5291416"   "5311562"   "5559691"   "5602757"   "5623109"   "5631825"   "5675752"   "5719796"   "5748881"   "5822743"   "5826251"   "5838588"   "5854994"   "5859885"   "5870698"   "5877961"   "5899990"   "5905985"   "5905989"   "5918225"   "5963884"   "5995916"   "RE31750").PN. OR ("6421571").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:12
S68 3	3	S682 drag drop	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:21
S68 4	140	(Industrial plant).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:22
S68 5	31	(Industrial plant).ti.	US-PGPUB	AND	ON	2007/04/03 19:27
S68 6	51	"5911145"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:29
S68 7	3	"5911145" industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:30
S68 8	45	"5911145" process	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:30

## EAST Search History

S689	33	"5911145" process control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:31
S690	10	"5911145" process with control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:31
S691	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3 or scada) near3 plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:33
S692	2	"6282454".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:36
S693	1	"6282454".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:36
S694	22	(US-20030028269-\$ or US-20030101021-\$ or US-20030191608-\$ or US-20030023518-\$).did. or (US-6054986-\$ or US-4914568-\$ or US-6975914-\$ or US-6854111-\$ or US-6067477-\$ or US-6754885-\$ or US-6618856-\$ or US-7017116-\$ or US-6259458-\$ or US-6067093-\$ or US-5606654-\$ or US-5432897-\$ or US-6144962-\$ or US-5870559-\$ or US-5493678-\$ or US-6549221-\$ or US-6684264-\$ or US-5812135-\$). did.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:39
S695	1	S694 drag with top	US-PGPUB; USPAT	AND	ON	2007/04/03 19:42

## EAST Search History

S69 6	25	("4812996" "4868785" "4884228" "5136705" "5155836" "5481741" "5630164" "5812394" "5966532" "5991537" "5309352" "5801942" "5828851" "5838563" "5970471" "6053951" "6061057" "6064816" "6098028" "6173438" "6219628" "6785805" "6083267" "6167383" "6339763").PN.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:48
S69 7	15	S696 (drop or drag)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S69 8	0	industrial (recursively with update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S69 9	0	industrial (recursively same update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S70 0	0	industrial (recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S70 1	30	(recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:58
S70 2	6	(update with (hierarchy or tree)) (industrial plant).ab.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:58
S70 3	2	(recursively with updat\$3) hierarchy (drag\$3 or drop\$3) (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S70 4	2	(recursively with updat\$3) hierarchy (drag\$3 or drop\$3 or "on top of") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S70 5	2	(recursively with updat\$3) hierarchy (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S70 6	64	(updat\$3) hierarchy (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:00
S70 7	0	((updat\$3) with hierarchy) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:00
S70 8	8	((updat\$3) with (hierarchy or tree or link)) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:01
S70 9	2839	(industrial adj plant).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 16:37
S71 0	247	(industrial adj plant).ab.	US-PGPUB; USPAT	AND	ON	2007/04/05 16:44

## EAST Search History

S71 1	526	(715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.)	US-PGPUB; USPAT	AND	ON	2007/04/05 16:50
S71 2	96	S711 industrial	US-PGPUB; USPAT	AND	ON	2007/04/05 16:50
S71 3	30	S712 Hierarchic\$4	US-PGPUB; USPAT	AND	ON	2007/04/05 16:51
S71 4	17	S713 (drag\$3 or drop\$3)	US-PGPUB; USPAT	AND	ON	2007/04/05 16:51
S71 5	1681	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:38
S71 6	1649	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:39
S71 7	1646	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4 dragging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:40
S71 8	1369	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand\$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2007/08/14 15:42
S71 9	2	((human-machine adj interface) or (human adj machine adj interface)) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand\$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2007/08/14 16:11
S72 0	5	("2003/0028269").URPN.	USPAT	AND	ON	2007/08/14 15:43
S72 1	2	("5877775" "5701137").pn.	US-PGPUB; USPAT	AND	ON	2007/08/14 15:52
S72 2	2	((human-machine adj interface) or (human adj machine adj interface) or (Computerized adj Maintenance adj Management adj System )) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand\$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2007/08/14 16:49

## EAST Search History

S72 3	2	((human-machine adj interface) or (human adj machine adj interface) or (Computerized adj Maintenance adj Management adj System )) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand\$3 collaps\$3 ((Tree adj Object) or (Tree adj View))	US-PGPUB; USPAT	AND	ON	2007/08/14 16:50
S72 4	1447	SCADA	US-PGPUB; USPAT	AND	ON	2007/08/14 19:14
S72 5	62	SCADA tree hierarch\$4 dragging	US-PGPUB; USPAT	AND	ON	2007/08/16 15:11
S72 6	21	SCADA tree hierarch\$4 dragging @AD<"20020923"	US-PGPUB; USPAT	AND	ON	2007/08/16 12:47
S72 7	21	(US-20020077711-\$ or US-20030037322-\$ or US-20030037316-\$ or US-20030035010-\$ or US-20030035009-\$ or US-20030035006-\$ or US-20030035005-\$ or US-20030034998-\$ or US-20030071845-\$ or US-20030071842-\$ or US-20030184596-\$ or US-20030184595-\$ or US-20030184580-\$).did. or (US-6067477-\$ or US-6477434-\$ or US-6754885-\$ or US-7062718-\$ or US-7089530-\$ or US-7096465-\$ or US-7134090-\$ or US-7206646-\$). did.	US-PGPUB; USPAT	AND	ON	2007/08/16 12:49
S72 8	9	SCADA tree hierarch\$4 dragging recur\$	US-PGPUB; USPAT	AND	ON	2007/08/16 16:00
S73 3	1	09/448845.app.	US-PGPUB; USPAT	AND	ON	2007/08/16 16:01

## EAST Search History

S73 4	43	(US-20030023518-\$ or US-20020077711-\$ or US-20030028269-\$ or US-20030037322-\$ or US-20030071842-\$ or US-20030071845-\$ or US-20030184580-\$ or US-20030184595-\$ or US-20030034998-\$ or US-20030035005-\$ or US-20030035006-\$ or US-20030035009-\$ or US-20030035010-\$ or US-20030037316-\$ or US-20030184596-\$ or US-20030191608-\$ or US-20030101021-\$).did. or (US-7096465-\$ or US-7134090-\$ or US-7206646-\$ or US-6975914-\$ or US-6054986-\$ or US-5838563-\$ or US-6477434-\$ or US-7089530-\$ or US-7062718-\$ or US-6754885-\$ or US-6067477-\$ or US-6854111-\$ or US-6618856-\$ or US-7017116-\$ or US-4914568-\$ or US-6144962-\$ or US-5870559-\$ or US-6684264-\$ or US-6549221-\$ or US-6259458-\$ or US-6067093-\$ or US-5606654-\$ or US-5432897-\$ or US-5493678-\$ or US-5812135-\$ or US-6053951-\$). did.	US-PGPUB; USPAT	AND	ON	2007/08/16 18:52
S73 5	40	S734 not ("20020120921" "5701137" "587777 5" "5911145" "6054986" "6237006"  "6282454" "6421571" "6477435" " 6854111" "6965855" "7017116"). PN.	US-PGPUB; USPAT	AND	ON	2007/08/16 18:52